



NEW SAMCLA® GENERATION

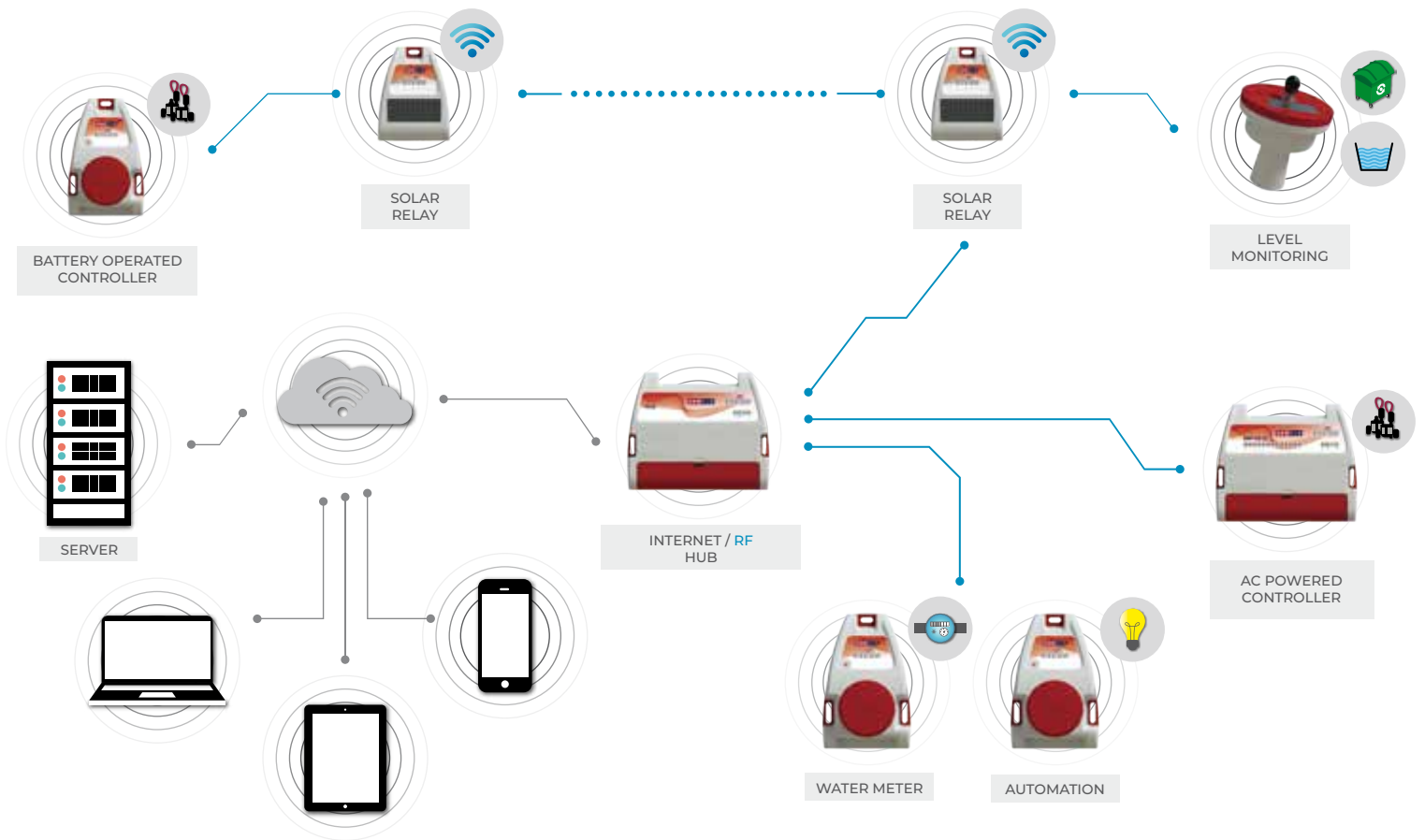
LEADERS IN TELEMAGEMENT

irrigation and water consumption systems for public and private gardening

MORE THAN 250 MUNICIPALITIES



ARCHITECTURE



- ▶ REAL-TIME OPERATION
- ▶ SECURE COMMUNICATIONS
- ▶ PERMANENT CONNECTION BETWEEN HUB AND SERVER. NO LIMIT OF DAILY CONNECTIONS
- ▶ HUB INTERNET CONNECTION: WI-FI, ETHERNET, 4G
- ▶ UP TO 6 CHAINED RELAYS
- ▶ RF RANGE: 1KM (OPEN AREA)
- ▶ UNLIMITED NUMBER OF DEVICES PER HUB: RELAYS, CONTROLLERS AND SENSORS
- ▶ AC POWERED AND BATTERY OPERATED EQUIPMENTS
- ▶ THE RF NETWORK REMAINS 100% OPERATIONAL WHEN THE INTERNET CONNECTION IS DISRUPTED

COMMUNICATION NETWORK

HUB



WI-FI / ETH
BLUETOOTH / RF

REP



RF

SENSORS

SBP



9V DC LATCH
BLUETOOTH / RF

SBS



GENERAL PURPOSE
SENSOR

SBD



LEVEL
MONITORING

TAG



MAINTENANCE
MONITORING

CONTROLLERS

SBP



4/8/12
24V AC
BLUETOOTH / RF

SBP



1/2/4/6
9V DC LATCH
BLUETOOTH / RF

SBI



NO - NF
DRY CONTACT
BLUETOOTH / RF

SAMCLA® SMART PLATFORM

IRRIGATION



MUNICIPALITIES



HOME



AGRO



SPORTS

- ▶ STATION ORIENTED SENSORS
- ▶ UP TO 5 SENSORS PER STATION
- ▶ CYCLIC AND ON-DEMAND PROGRAMMING
- ▶ MAX/MIN DAILY CONSUMPTION
- ▶ ALARMS
- ▶ LOCAL BLUETOOTH CONNECTION

MAINTENANCE MONITORING



- ▶ MAINTENANCE FORM EDITION
- ▶ USERS MANAGEMENT
- ▶ IN FIELD FORM VALIDATING
- ▶ AUTOMATIC DATA UPLOADING TO THE CLOUD
- ▶ APPLICATIONS:
 - Fountains, hydrants and irrigation systems
 - Trees, parks and gardens
 - Benches, lamps, bins ...
 - Advertising panels and traffic signs
 - Installations, works and machinery
 - Buildings and monuments
 - Presential control at workplaces
 - ...

LEVEL MONITORING



- ▶ ULTRASONIC SENSOR
- ▶ CONFIGURABLE READING PERIOD
- ▶ BATTERY OPERATED
- ▶ APPLICATIONS:
 - Water tanks
 - Waste collecting
 - ...

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IRRIGAZIONE®

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